

PATENT
Appl. No. 09/707,720
Attorney Docket No. 450100-02835

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of transmitting data from a transmitting device to a receiving device through a predetermined network, the method comprising:

transmitting a request notification from a first device to a second device to mount a connection management function from a plurality of connection management functions, said request notification including a command set needed to manage for executing the connection management for data transmission between the transmitting device and the receiving device,

when the first device for carrying out connection management for data transmission between the transmitting device and the receiving device does not mount a corresponding connection management function and has been notified by the second device that the second device mounts the corresponding connection management function.

2. (Previously Presented) The transmitting method according to claim 1, wherein the connection management function includes providing connection and disconnection of the transmitting device and the receiving device.

3. (Previously Presented) The transmitting method according to claim 1, wherein a result of the connection management is transmitted from the second device to the first device through the network.

PATENT
Appl. No. 09/707,720
Attorney Docket No. 450100-02835

4. (Currently Amended) A transmitting system for transmitting data from a transmitting device to a receiving device connected to a predetermined network, the system comprising:

a first device including a first control section for preparing and transmitting a request notification to another device to mount a connection management function from a plurality of connection management functions when the first device does not mount said connection management function and has been notified by said another device that said another device mounts said connection management function, said request notification including a command set needed to manage a request for executing the connection management function for data transmission between the transmitting first device and said another when an instruction for the data transmission is received from the transmitting device or the receiving device; and

a second device configured to receive said notification request, said second device including a second control section for executing the connection management function using the command set.

5. (Previously Presented) The transmitting system according to claim 4, wherein the control section of the second device includes a processor to perform connection and disconnection of the transmitting device and the receiving device.

6. (Currently Amended) A transmission control device connected to a predetermined network for controlling a data transmission on the network, the device comprising:

a notification section for notifying another transmission control device on the network of connection management functions mounted in said transmission control device;

a receiving section for receiving a connection setting request from said another

PATENT
Appl. No. 09/707,720
Attorney Docket No. 450100-02835

transmission control device ~~on the network~~, said connection setting request including a request
~~command set~~ needed to manage data transmission between a transmitting device and a receiving
device, wherein a corresponding connection management function is not mounted in said another
transmission control device but mounted in said transmission control device; and

a connection managing section for executing connection management between the
transmitting device and the receiving device based on the ~~command set~~ connection setting
request.

7. (Previously Presented) The transmission control device according to claim 6, further
comprising a transmitting section for transmitting a result of the connection management in the
connection managing section to said another transmission control device.

8. (Previously Presented) The transmitting system according to claim 4, wherein the
command set includes a self-describing data structure, which provides a device control data.

9. (Previously Presented) The transmitting system according to claim 8, wherein the
device control data includes a device type of the transmitting device and the receiving device.

10. (Previously Presented) The transmitting system according to claim 8, wherein the
device control data includes an override DCM of the transmitting device and the receiving
device.

11. (Previously Presented) The transmitting system according to claim 8, wherein the

PATENT
Appl. No. 09/707,720
Attorney Docket No. 450100-02835

device control data includes a graphical representation of the transmitting device and the receiving device.